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WHAT IS CLAIMED IS:

A resin molded brushless direct current (BLDC) motor comprising:
 a rotor assembly including a rotor and a rotating shaft, the rotor having a plurality of magnets for creating a magnetic field;

a stator assembly including a plurality of multi-phase coils, the plurality of multi-phase coils creating an electric field for generating a torque in cooperation with the magnetic field created by the magnets of the rotor;

an injection molded housing encasing the stator assembly;

a control board disposed on an outer portion of the housing, the control board including a drive circuit for detecting a position of the rotor and sequentially applying conducting signals to the multi-phase coils of the stator assembly; and

connection means for electrically connecting the control board to the multiphase coils of the stator assembly,

wherein the housing is injection molded with the stator assembly therein.

- The resin molded BLDC motor as claimed in claim 1, wherein the outer portion of the housing has a depression formed therein, the control board being disposed in the depression.
- 3. The resin molded BLDC motor as claimed in claim 1, further comprising a pair of bearings and a pair of bearing covers, the bearings rotatably supporting the rotating shaft of the rotor assembly, each bearing cover being press-fit onto an end of the housing so as to support the respective bearing, one of bearing covers having an extended portion

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extending radially outward, the bearing cover with the extended portion preventing the control board from being exposed.

- The resin molded BLDC motor as claimed in claim 1, wherein the connection
 means comprises:
 - a plurality of connection pins coupled to respective multi-phase coils of the stator assembly and projecting from the housing; and
 - a plurality of connectors formed on the control board, each of the connectors corresponding to and mating with a respective connection pin.
 - A method of manufacturing a resin molded brushless direct current motor comprising:

assembling a stator assembly;

forming a housing to encapsulate the stator assembly, the housing being injection molded using a resin and a mold, the stator assembly being placed in the mold:

electrically connecting a control board to the stator assembly; assembling a rotor assembly to the housing; and press-fitting a plurality of bearing covers into the ends of the housing.

6. The method as claimed in claim 5, wherein assembling the stator assembly comprises:

forming a stator by stacking a plurality of stator cores, the stator including a

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plurality of slots formed therein;

inserting a plurality of insulators into the slots of the stator;
winding a plurality of multi-phase coils on the stator through the slots; and
connecting connection pins to the multi-phase coils, respectively, which are
wound on the stator through the slots.

7. The method as claimed in claim 5, wherein forming the housing includes forming a depression in an outer portion of the housing, and wherein the control board is disposed in the depression of the housing.